



DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY
AFFAIRS (PERA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
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www.miamidade.gov/pera/

NOTICE OF ACCEPTANCE (NOA)

Construtech USA dba C Tech USA, Inc.
14972 SW 104 Street Suite #112
Miami, FL 33196

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County PERA - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. PERA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: TapTech Coated Carbon Steel Anchors

APPROVAL DOCUMENT: Drawing No. **01-811**, titled "Taptech Coated Carbon Steels", Sheet 1 of 1, dated 10/09/11, prepared by Eduardo Cardona, P.E. Consulting Engineer, signed and sealed by Eduardo Cardona, P.E., bearing the Miami-Dade County Product Control revision stamp with the Notice of Acceptance number and revision date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: None

LABELING: Each box shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved or MDCPCA", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA # **11-0419.04** and consists of this page 1, evidence page E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by **Carlos M. Utrera, P.E.**



[Signature]
10/24/2011

NOA No: 11-0907.11
Expiration Date: June 02, 2016
Approval Date: November 03, 2011
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **01-811**, titled "Taptech Coated Carbon Steel Anchors", Sheet 1 of 1, dated 10/09/11, prepared by Eduardo Cardona, P.E. Consulting Engineer, signed and sealed by Eduardo Cardona, P.E.

B. TESTS "Submitted under NOA # 11-0419.04"

	<u>Test Report No.</u>	<u>Standard</u>	<u>Date</u>	<u>Signature</u>
1.	FTL # 6041	ASTM E488-06	02/25/10	Jorge A. Causo, P.E.
2.	FTL # 6177	ASTM D1761-06	01/25/10	Jorge A. Causo, P.E.
3.	FTL # 6211	ASTM F606-09	03/24/10	Jorge A. Causo, P.E.
4.	HETI-10-S113	ASTM G85	08/24/10	Candido F. Font, P.E.
5.	HETI-10-S114	ASTM G85	08/24/11	Candido F. Font, P.E.
6.	HETI-10-S115	ASTM G85	08/24/11	Candido F. Font, P.E.
7.	HETI-10-S116	ASTM G85	08/24/11	Candido F. Font, P.E.
8.	DEC # 09-1734	ASTM C39	12/15/09	Wissam Naamani, P.E.
9.	PSI # 03-95215-1	ASTM C140	10/21/09	Juan J. Lopez, P.E.

C. CALCULATIONS

1. Anchor pull-over force prepared by Eduardo Cardona, P.E. Consulting Engineer, signed and sealed by Eduardo Cardona, P.E.
2. Anchors allowable loads prepared by Tilteco, Inc, dated 10/29/10, signed and sealed by Walter A. Tillit Jr., P.E. **"Submitted under NOA # 11-0419.04"**

D. MATERIAL CERTIFICATIONS

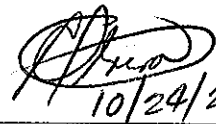
1. None.

E. QUALITY ASSURANCE

1. Miami-Dade Department of Permitting, Environment, and Regulatory Affairs (PERA)

F. STATEMENTS "Submitted under NOA # 11-0419.04"

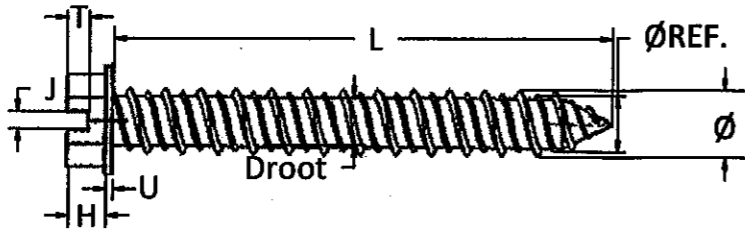
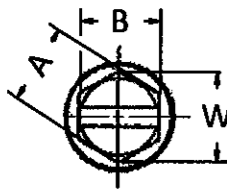
1. Statement letter of code conformance to FBC 2007, issued by Tilteco, Inc, dated 11/15/10, signed and sealed by Walter A. Tillit Jr., P.E.
2. Statement letter of no financial interest issued by Tilteco, Inc, dated 11/15/10, signed and sealed by Walter A. Tillit Jr., P.E.
3. Distributor agreement dated 03/30/11.


10/24/2011

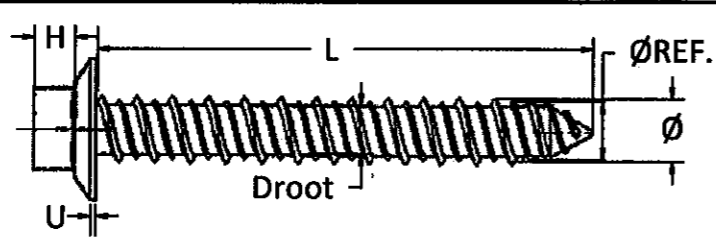
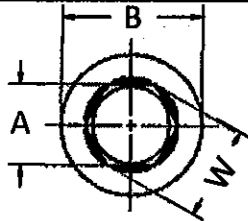
Carlos M. Utrera, P.E.
Product Control Examiner
NOA No 11-0907.11

Expiration Date: June 02, 2016
Approval Date: November 03, 2011

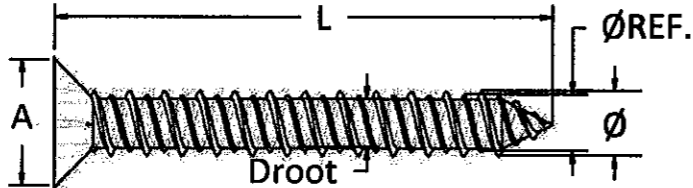
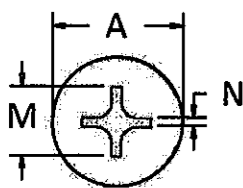
ANCHOR TYPE A	L	A		W	H		B		U		J		T		ØREF	Ø		Droot
1/4" CHA-RAN TAPTECH-HEX	See Schedule	MAX	MIN	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	0.20"	MAX	MIN	0.175"
		0.311"	0.305"	0.340"	0.155"	0.143"	0.431"	0.397"	0.038"	0.021"	0.059"	0.050"	0.079"	0.057"				



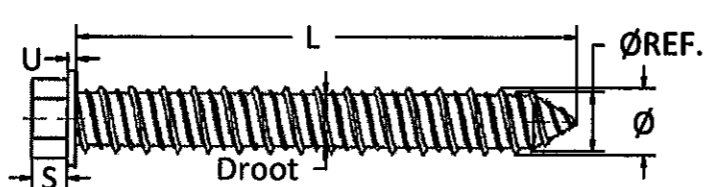
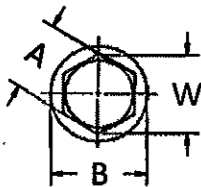
ANCHOR TYPE B	L	A		W	H		B		U		ØREF	Ø		Droot
1/4" CHA TAPTECH-MAXI	See Schedule	MAX	MIN	MIN	MAX	MIN	MAX	MIN	MAX	MIN	0.20"	MAX	MIN	0.175"
		0.311"	0.305"	0.340"	0.155"	0.138"	0.620"	0.610"	0.047"	0.035"		0.255"	0.244"	



ANCHOR TYPE C	L	A		M	N	ØREF	Ø		Droot
1/4" CPH TAPTECH-PHIL	See Schedule	MAX	MIN	MAX	MIN	0.2"	MAX	MIN	0.175"
		0.507"	0.389"	0.283"	0.270"		0.255"	0.244"	



ANCHOR TYPE D	L	A		W	H		B		U		ØREF	Ø		Droot
5/16"-14 CHA CAB. #12 TAPTECH-HEX	See Schedule	MAX	MIN	MIN	MAX	MIN	MAX	MIN	MAX	MIN	0.25"	MAX	MIN	0.222"
		0.311"	0.305"	0.340"	0.155"	0.143"	0.431"	0.397"	0.038"	0.021"		0.314"	0.305"	

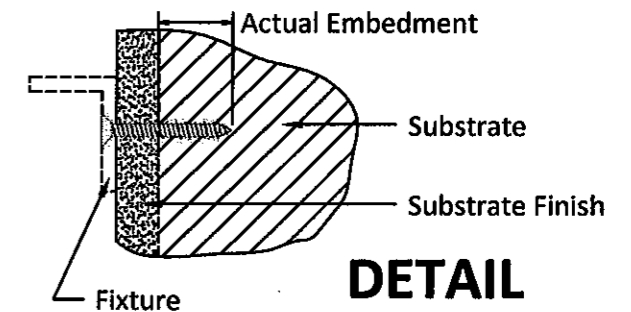


ALLOWABLE LOADS

Based on embedment and edge distance. Minimum Spacing is 3 inches for 1/4" and 3 3/4" for 5/16" anchors

ANCHOR DIAMETER	EMBEDMENT	EDGE DISTANCE	CONCRETE f'c=3161 psi Min.		HOLLOW BLOCK f'c=1430 psi Min.		GROUT FILLED BLOCK f'c=2230 psi Min.		WOOD G=0.55 Min.	
			TENSION	SHEAR	TENSION	SHEAR	TENSION	SHEAR	TENSION	SHEAR
1/4"	1 1/4"	1"	---	---	102	122	---	---	---	---
		2 1/2"	---	---	146	214	---	---	---	---
	1 3/4"	1"	355	210	---	---	---	---	---	---
		2 1/2"	457	387	---	---	---	---	---	---
		3 1/2"	---	---	---	---	234	254	---	---
	1 1/2"	3/4"	---	---	---	---	---	---	204	162
5/16"	1 1/4"	3 3/4"	---	---	221	305	---	---	---	---
		19/16"	580	617	---	---	---	---	---	---
	1 3/4"	3 1/8"	617	661	---	---	---	---	---	---
		3 3/4"	---	---	---	---	247	276	---	---
		---	---	---	---	---	---	---	307	179
	1 1/2"	3/4"	---	---	---	---	---	---	---	---

ANCHOR TYPE	ANCHOR LENGTH "L"						
	1 1/4"	1 3/4"	2 1/4"	2 3/4"	3 1/4"	3 3/4"	4", 5" & 6"
A	YES	YES	YES	YES	YES	YES	YES
B	---	YES	YES	YES	YES	---	---
C	YES	YES	YES	YES	YES	YES	YES
D	---	---	YES	YES	---	---	---



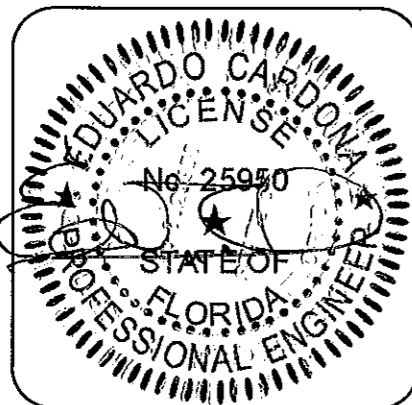
DETAIL

GENERAL NOTES

- These products have been tested and evaluated and are in compliance with the Florida Building Code 2007 and 2010 editions including the "High Velocity Zone"
- These product documents are generic and not for any specific application.
- Except for masonry all allowable loads are based on average ultimate loads divided by a safety factor of 4.
- The ultimate loads in masonry, hollow and grout filled, are divided by a safety factor of 5
- Anchor embedment shall exclude all coverings and cladding such as stucco, wall dressing, etc.
- Pilot hole diameter shall be 3/8", drilled with carbide masonry bits and drilled 1/4" longer than the required embedment.
- Concrete shall conform to ACI 318 with minimum compressive strength as noted.
- Anchors shall not be installed in cracked concrete as defined in ACI 355.2
- Anchor screws are corrosion resistant and are made of SAE 10B22 (Fu=176446 psi, Fy=163418 psi)
- Anchor are to be identified with the following head mark : "CT"
- Hollow and grout filled concrete block shall conform to ASTM C-90.
- For connections where wood is the substrate, use NDS procedures with the specific main member parameters and screw penetration to determine the connection capacity, but in no case shall the connection capacity be greater than the allowable load shown in this approval.
- See detail for embedment requirements.

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 11-0907/11
Expiration Date 06/02/2016
By *[Signature]*
Miami Trade Product Control

MIAMI-DADE COUNTY



EDUARDO CARDONA, P.E.
CONSULTING ENGINEER

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Engineering@Pobox.com

TAPTECH®
COATED CARBON STEEL ANCHORS

CONSTRUTECH USA dba CTECH USA, INC.
5519 NW 72 AVE. MIAMI, FL 33166
PHONE:305-387-8965 FAX:786-879-7494

DRAWING
01-811

DATE
10/09/11

SHEET 1 OF 1